



UNITED STATES MARINE CORPS
MARINE CORPS LOGISTICS BASE
ALBANY, GEORGIA 31704-5000

BO 2450.1
841-4
13 Aug 91

BASE ORDER 2450.1

From: Commander
To: Distribution List

Subj: ELECTROMAGNETIC ENVIRONMENTAL EFFECTS (E3) POLICY WITHIN THE
MARINE CORPS LOGISTICS BASES (MARCORLOGBASES), ALBANY AND
BARSTOW

Ref: (a) SECNAVINST 2410.1B (NOTAL)
(b) MCO 2410.2A
(c) MIL-STD-1686A (NOTAL)
(d) MCO P4105.3

1. Purpose. To publish MARCORLOGBASES policy and procedures concerning E3 actions, and to make personnel, whose responsibilities are associated with procurement, maintenance, handling, and repair of electrical/electronic devices, aware of E3 in acquisition, maintenance, and supply elements.

2. Background. The term E3 has come into use within the Department of the Navy in recent years to better describe the total dimensions of the electromagnetic environment. The growth in the number of sophisticated electrical/electronic systems has resulted in new and unforeseen effects upon the electromagnetic environment. The Secretary of the Navy's policy guidance is stated in reference (a). To minimize factors which could seriously degrade the combat capability of the Fleet Marine Force, a Marine Corps program, reference (b), was established to control E3 within Marine Corps equipment, systems, and platforms.

3. Policy

a. The Marine Corps E3 Control Program (E3CP) was established to minimize degrading E3 among electrical/electronic devices in use or intended for future use and includes repair parts that are either in storage or in transit as stated in reference (c).

b. Marine Corps Research, Development, and Acquisition Command (MCRDAC) (PSE) provides:

(1) Overall E3 program leadership, guidance, direction, and coordination.

(2) Funds for technical support of the E3 program.

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(3) Assistance to acquisition managers in controlling E3 in new equipment.

(4) Other functions as noted in reference (b).

4. Action

a. Electromagnetic Environmental Effects Control Program (E3CP) Office (Code 841-4)

(1) Provides technical management of the program. Recommends changes or additions to Marine Corps directives/instructions as necessary to accomplish program objectives.

(2) Provides technical assistance to MCRDAC Program Managers and Integrated Logistics Support Directorate (ILSD) Managers to ensure that E3 is considered in new equipment and all Marine Corps electrical/electronic equipment that is fielded as stated in reference (d).

(3) Provides technical assistance to MCRDAC in the identification and acquisition of test, measurement, and diagnostic equipment to be used for E3 control.

(4) Provides technical assistance in E3 control matters relating to the Marine Corps Reserve.

(5) Provides E3 awareness training.

(6) Ensures proper E3 control procedures are used in all depot repair/rebuild activities per applicable standards.

(7) Ensures E3 control instructions are included in electrical/electronic equipment procurement actions and in all applicable technical publications under MARCORLOGBASES cognizance.

(8) Establishes E3 control teams to provide in-house technical support and on-site assistance to the Marine Corps on E3 matters.

(9) Manages the Marine Corps electromagnetic interference hotline (commercial phone number is (703) 425-9666, collect).

(10) Designs, develops, and maintains a historical data base for information concerning E3-related problems/solutions experienced by the Marine Corps.

b. Director, Mobile Equipment/Ordnance Division (Code 830), and Director, Communication-Electronic/Missile Division (Code 840); ILSD

(1) Ensures that E3 protection specifications and E3 testing are included in all procurement of electrical/electronic equipment.

(2) Ensures inclusion of E3 control instructions in all applicable technical publications under MARCORLOGBASES cognizance during procurement.

(3) Ensures inclusion of Marine Corps E3 control instructions in other agency-managed end item publications (Technical Manuals, Stock Lists, etc.) when applicable, i.e., Marine Corps installs or maintains the item.

(4) Identifies and documents electromagnetic and electrostatic discharge (EM/ESD) sensitive items during the acquisition cycle.

(5) Provides a point of contact for E3 matters to the E3CP Office.

(6) Ensures the E3CP Office is notified of all Configuration Control Field Boards pertaining to E3-related items.

c. Director, Technical Support Division (Code 850); ILSD

(1) Registers Marine Corps as a user for those ESD sensitive and E3 control items identified in the acquisition process.

(2) Provides a point of contact for E3 matters to the E3CP Office.

(3) Ensures E3 corrective measures are considered and included in all applicable modification instructions and any other Marine Corps-related publications.

(4) Ensures that engineering drawings contain applicable EM/ESD document and hardware marking requirements.

(5) Provide to the Contracts Directorate (Codes 911/912), on the "PR Referral/Missing Data Notice" (MC-ALB-4400/16 REV 3-91), information pertinent to solicitations/contractual instruments wherein E-3 considerations need to be taken into account for procurement of equipment.

d. Directors, Materiel Divisions (Codes 870/B800); Storage and Distribution Directorate

(1) Ensures that EM/ESD sensitive items are packed, packaged, and preserved properly to minimize degrading E3 in electrical/electronic systems.

(2) Coordinates with the Repair Divisions (Codes 880/B300) to ensure that EM/ESD sensitive items are properly protected during transportation between divisions and that packing, packaging, and preservation methods used by the Materiel Divisions and Repair Divisions are compatible.

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(3) Provides procedures and awareness training to personnel for proper handling of EM/ESD sensitive items.

(4) Provides a point of contact for E3 matters to the E3CP Office.

e. Directors, Repair Divisions (Codes 880/B300); Maintenance Directorate

(1) Uses proper E3 control procedures in all depot repair/re-build activities and ensures proper E3 control instructions are entered in the applicable technical publications under MARCORLOGBASES cognizance/development.

(2) Coordinates with the Materiel Divisions (Codes 870/B800) to ensure that EM/ESD sensitive items are properly protected during transportation between divisions and that packing, packaging, and preservation methods used by the Repair Divisions and Materiel Divisions are compatible.

(3) Ensures inclusion of E3 control requirements in contracting documents when electrical/electronic equipment is to be procured.

(4) Provides technical assistance in E3 control matters relating to all Marine Corps units including the Marine Corps Reserve.

(5) Provides procedures and awareness training to personnel processing/handling EM/ESD sensitive items.

(6) Provides a point of contact for E3 matters to the E3CP Office.

f. Head, Performance Assessment Branch (Code 808); EDLO

(1) Assists the E3CP Office in identifying EM/ESD control problems/trends through the Marine Corps Quality Deficiency Information System, the Marine Corps Report of Discrepancy Information System, and quality assurance assessments.

(2) Provides informational copies of E3-related documents to the E3CP Office (Code 841-4).

(3) Provides a point of contact for E3 matters to the E3CP Office.

g. Principal Director, Contracts Directorate (Code 90)

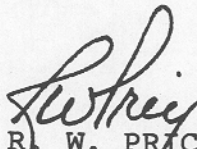
(1) Ensures that contracts/procurement actions for electrical/electronic items contain clauses identifying E3 considerations.

(2) Provides requests for waivers concerning E3 considerations to cognizant commodity areas for review and approval when E3 supportability is inadequate.

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(3) Provides a point of contact for E3 matters to the E3CP Office.

5. Applicability. This Order is applicable to the Blount Island Command.


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Code B800 (8)
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